

AMOGH MOTADO

Pune, Maharashtra

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Education

MIT WPU

Bachelor of Technology in Computer Engineering

June 2022 – May 2026

CGPA: 8.43/10

MIT WPU

Diploma in Computer Engineering

June 2019 – May 2022

CGPA: 9.34/10

Technical Skills

Languages: Python, JavaScript, Java, C++, HTML, CSS, Tailwind CSS, TypeScript

Databases: MongoDB, PostgreSQL, MySQL, Firebase

Technologies: React.js, Next.js, Node.js, Express.js, Django, Flask, FAST API, REST API, Spring Boot

Developer Tools: Git, Linux, Postman, VS Code, JupyterLab

Experience

Krutanic

May 2025 – July 2025

Full Stack Developer Intern

- Built and deployed full-stack web components using React.js, Node.js/Express.js, MongoDB, and version-control tools (Git, Vite, npm).
- Collaborated in an Agile environment, practicing component-based UI development, API integration, and state management for dynamic features.
- Developed an AI-powered chatbot using React with Google Gemini API to deliver real-time conversations and seamless message handling.

Projects

DeepFake Detection Engine | *Python, OpenCV, FastAPI Web App, MongoDB*

GitHub

- Developed a Keras/TensorFlow-based classifier for detecting manipulated (deepfake) faces in both images and videos with ROC/AUC-driven threshold calibration.
- Implemented video-scoring pipeline for accurate clip-level inference on the SDFVD dataset.
- Shipped a FastAPI Web App backed by MongoDB, supporting “Upload Photo / Upload Video / Compare Photos / Compare Videos” actions via a user dashboard.

Facial Attendance System | *Python, OpenCV, PostgreSQL*

GitHub

- Designed a real-time face-recognition attendance manager using Python (OpenCV, dlib, `face_recognition`) that automatically marks and logs attendance to a PostgreSQL database.
- Added session-based deduplication, time stamping, and daily log archival to ensure reliable and accurate attendance tracking.
- Built an optional Streamlit dashboard for exporting and visualizing attendance data.

Accident Detection System | *Python, YOLOv8, DeepSORT, Next.js, PostgreSQL*

GitHub

- Built an AI-powered traffic accident detection platform using YOLOv8 + DeepSORT to detect vehicles and flag collisions, sudden stops, and near-miss events in real-time video streams.
- Delivered a live Next.js dashboard with alarm popup alerts by streaming detection frames and events from a FastAPI WebSocket backend.
- Integrated JWT-based authentication and PostgreSQL persistence for event history, achieving GPU-accelerated inference for low-latency response.

Recruiver | *Python, Next.js, OpenAI, REST API PostgreSQL, React*

GitHub

- Built an AI-driven recruitment platform that automates resume parsing, ATS-scoring, candidate shortlisting, and video-interview analysis using NLP/ML models.
- Designed a Next.js + PostgreSQL/MongoDB backend with modular API wrappers and integrated secure authentication online test modules.
- Created a React front-end web app for recruiters and candidates, improving hiring efficiency by streamlining shortlisting and evaluation.

Achievements / Extracurricular

- Completed “National Academic Immersion Program” in AI/ML at NITTTR, Bhopal certified by SIEMENS Pvt.ltd.
- Research Paper on ”Smart Hiring using AI”
- Co-Founder of a startup company ”Pawotrait”
- Participated in Hack-MIT (university-level hackathon) built an AI-based prototype.